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| **World Radiocommunication Conference (WRC-15)Geneva, 2–27 November 2015** |  |
| **INTERNATIONAL TELECOMMUNICATION UNION** |  |
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| PLENARY MEETING | **Revision 1 toDocument 28(Add.1)-E** |
|  | **13 October 2015** |
|  | **Original: English** |
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| African Common Proposals |
| Proposals for the work of the conference |
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| Agenda item 1.1 |

1.1 to consider additional spectrum allocations to the mobile service on a primary basis and identification of additional frequency bands for International Mobile Telecommunications (IMT) and related regulatory provisions, to facilitate the development of terrestrial mobile broadband applications, in accordance with Resolution **233 (WRC‑12)**;

ARTICLE 5

Frequency allocations

Section IV – Table of Frequency Allocations
(See No. 2.1)

# 1) Band Number 1: 470-694 MHz

NOC AFCP/28A1/1

460-890 MHz

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| Allocation to services |
| Region 1 | Region 2 | Region 3 |
| 470-790BROADCASTING5.149 5.291A 5.294 5.296 5.300 5.304 5.306 5.311A 5.312 5.312A | 470-512BROADCASTINGFixedMobile5.292 5.293 | 470-585FIXEDMOBILEBROADCASTING5.291 5.298 |
| 512-608BROADCASTING5.297 |
| 585-610FIXEDMOBILEBROADCASTINGRADIONAVIGATION5.149 5.305 5.306 5.307 |
| 608-614RADIO ASTRONOMYMobile-satellite exceptaeronautical mobile-satellite(Earth-to-space) |
| 610-890FIXEDMOBILE 5.313A 5.317ABROADCASTING |
| 614-698BROADCASTINGFixedMobile5.293 5.309 5.311A |
| … |
| … |
|  |  | 5.149 5.305 5.306 5.3075.311A 5.320 |

**Reasons:**

1) ITU studies show that co-channel in same area sharing is not feasible this band.

2) Coordination between neighbouring countries, in case one deploys IMT and another BC, will be extremely difficult (needs distance of up to 427 km from the border in some cases).

3) This band is heavily planned to be used by DTT in the majority of Region 1 countries.

NOTE – This proposal only applies to frequency range 470-694 MHz. See proposals under agenda item 1.2 for the frequency range 694-790 MHz.

# 2) Band Number 2: 1 350-1 400 MHz

MOD AFCP/28A1/2

1 300-1 525 MHz

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| Allocation to services |
| Region 1 | Region 2 | Region 3 |
| **1 350-1 400**FIXEDMOBILE ADD 5.A11RADIOLOCATION5.149 5.338 5.338A 5.339 | **1 350-1 400** RADIOLOCATION 5.338A 5.149 5.334 5.339 |

**Reasons:** To allow for optimum use of the band and support continued growth of IMT.

NOTE – This proposal only applies to frequency range 1 350-1 400 MHz.

ADD AFCP/28A1/3

5.A11 *Additional allocation:*  in [*country names*], the frequency band 1 350-1 400 MHz is allocated to the mobile, except aeronautical mobile, service on a primary basis and is also identified for International Mobile Telecommunications (IMT). This identification does not preclude the use of this band by any application of the services to which they are allocated and does not establish priority in the Radio Regulations. Such use is subject to the application of Resolution **750 (Rev.WRC‑15)**.     (WRC‑15)

**Reasons:** To allow for optimum use of the band and support continued growth of IMT.

# 3) Band Number 3: 1 427-1 452 MHz

MOD AFCP/28A1/4

1 300-1 525 MHz

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| Allocation to services |
| Region 1 | Region 2 | Region 3 |
| **1 427-1 429** SPACE OPERATION (Earth-to-space) FIXED MOBILE except aeronautical mobile ADD 5.B11 5.338A 5.341 |
| **1 429-1 452**FIXEDMOBILE except aeronauticalmobile ADD 5.B115.338A 5.341 5.342 | **1 429-1 452**FIXEDMOBILE 5.3435.338A 5.341 |

**Reasons:** To allow for optimum use of the band and support continued growth of IMT.

NOTE – This proposal only applies to frequency range 1 427-1 452 MHz.

ADD AFCP/28A1/5

5.B11 [In *Regions/country names*], the frequency band 1 427-1 452 MHz is identified for use by administrations wishing to implement International Mobile Telecommunications (IMT). This identification does not preclude the use of this band by any application of the services to which it is allocated and does not establish priority in the Radio Regulations. Such use is subject to the application of Resolution **750 (Rev.WRC‑15)**,which includes conditions of use, as appropriate.     (WRC‑15)

**Reasons:** To allow for optimum use of the band and support continued growth of IMT.

# 4) Band Number 4: 1 452-1 492 MHz

MOD AFCP/28A1/6

1 300-1 525 MHz

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| Allocation to services |
| Region 1 | Region 2 | Region 3 |
| **1 452-1 492**FIXEDMOBILE except aeronauticalmobile ADD 5.C11BROADCASTINGBROADCASTING-SATELLITE 5.208B 5.341 5.342 5.345 | **1 452-1 492**FIXEDMOBILE 5.343BROADCASTING BROADCASTING-SATELLITE 5.208B5.341 5.344 5.345 |

**Reasons:** To allow for optimum use of the band and support continued growth of IMT.

NOTE – This proposal only applies to frequency range 1 452-1 492 MHz.

ADD AFCP/28A1/7

5.C11 [In *Regions/country names*], the frequency bands 1 452-1 492MHz, or portions of those frequency bands, are identified for use by administrations wishing to implement International Mobile Telecommunications (IMT). This identification does not preclude the use of these bands by any application of the services to which they are allocated and does not establish priority in the Radio Regulations.     (WRC‑15)

**Reasons:** To allow for optimum use of the band and support continued growth of IMT.

# 5) Band Number 5: 1 492-1 518 MHz

MOD AFCP/28A1/8

1 300-1 525 MHz

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| Allocation to services |
| Region 1 | Region 2 | Region 3 |
| **1 492-1 518**FIXEDMOBILE except aeronautical mobile ADD 5.D115.341 5.342 | **1 492-1 518**FIXEDMOBILE 5.3435.341 5.344 | **1 492-1 518**FIXEDMOBILE5.341 |

**Reasons:** To allow for optimum use of the band and support continued growth of IMT.

NOTE – This proposal only applies to frequency range 1 492-1 518 MHz.

ADD AFCP/28A1/9

5.D11 [In *Regions/country names*], the frequency bands 1 492-1 518 MHz, or portions of those frequency bands, are identified for use by administrations wishing to implement International Mobile Telecommunications (IMT). This identification does not preclude the use of these bands by any application of the services to which they are allocated and does not establish priority in the Radio Regulations.     (WRC‑15)

**Reasons:** To allow for optimum use of the band and support continued growth of IMT.

# 6) Band Number 6: 1 518-1 525 MHz

NOC AFCP/28A1/10

1 300-1 525 MHz

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| Allocation to services |
| Region 1 | Region 2 | Region 3 |
| 1 518-1 525FIXEDMOBILE except aeronauticalmobileMOBILE-SATELLITE(space-to-Earth) 5.348 5.348A5.348B 5.351A5.341 5.342 | 1 518-1 525FIXEDMOBILE 5.343MOBILE-SATELLITE(space-to-Earth) 5.348 5.348A5.348B 5.351A5.341 5.344 | 1 518-1 525FIXEDMOBILEMOBILE-SATELLITE(space-to-Earth) 5.348 5.348A5.348B 5.351A5.341 |

**Reasons:** To protect existing services.

NOTE – This proposal only applies to frequency range 1 518-1 525 MHz.

# 7) Band Number 7: 1 695-1 710 MHz

NOC AFCP/28A1/11

1 660-1 710 MHz

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| Allocation to services |
| Region 1 | Region 2 | Region 3 |
| 1 690-1 700METEOROLOGICAL AIDSMETEOROLOGICAL-SATELLITE (space-to-Earth)FixedMobile except aeronautical mobile | 1 690-1 700 METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (space-to-Earth) |
| 5.289 5.341 5.382 |  5.289 5.341 5.381 |
| 1 700-1 710FIXEDMETEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile | 1 700-1 710FIXEDMETEOROLOGICAL-SATELLITE (space-to-Earth)MOBILE except aeronautical mobile |
|  5.289 5.341 | 5.289 5.341 5.384 |

**Reasons:** To protect existing services.

NOTE – This proposal only applies to frequency range 1 695-1 710 MHz.

# 8) Band Number 11: 3 600-3 700 MHz

NOC AFCP/28A1/12

2 700-4 800 MHz

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| Allocation to services |
| Region 1 | Region 2 | Region 3 |
| **…** | **3 500-3 700**FIXEDFIXED-SATELLITE (space-to-Earth)MOBILE except aeronautical mobileRadiolocation 5.433 | **3 500-3 600**FIXEDFIXED-SATELLITE (space-to-Earth)MOBILE except aeronautical mobile 5.433ARadiolocation 5.433 |
| **3 600-4 200**FIXEDFIXED-SATELLITE(space-to-Earth)Mobile | **3 600-3 700**FIXEDFIXED-SATELLITE (space-to-Earth)MOBILE except aeronautical mobileRadiolocation5.435 |
|  | **3 700-4 200**FIXEDFIXED-SATELLITE (space to-Earth)MOBILE except aeronautical mobile |

**Reasons:** To protect existing services.

NOTE – This proposal only applies to frequency range 3 600-3 700 MHz.

# 9) Band Number 12: 3 700-3 800 MHz

NOC AFCP/28A1/13

2 700-4 800 MHz

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| Allocation to services |
| Region 1 | Region 2 | Region 3 |
| **…** | 3 500-3 700FIXEDFIXED-SATELLITE (space-to-Earth)MOBILE except aeronautical mobileRadiolocation 5.433 | **3 500-3 600**FIXEDFIXED-SATELLITE (space-to-Earth)MOBILE except aeronautical mobile 5.433ARadiolocation 5.433 |
| **3 600-4 200**FIXEDFIXED-SATELLITE(space-to-Earth)Mobile | **3 600-3 700**FIXEDFIXED-SATELLITE (space-to-Earth)MOBILE except aeronautical mobileRadiolocation5.435 |
|  | **3 700-4 200**FIXEDFIXED-SATELLITE (space to-Earth)MOBILE except aeronautical mobile |

**Reasons:** To protect existing services.

NOTE – This proposal only applies to frequency range 3 700-3 800 MHz.

# 10) Band Number 13: 3 800-4 200 MHz

NOC AFCP/28A1/14

2 700-4 800 MHz

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| Allocation to services |
| Region 1 | Region 2 | Region 3 |
| **…** | **3 500-3 700**FIXEDFIXED-SATELLITE (space-to-Earth)MOBILE except aeronautical mobileRadiolocation 5.433 | **3 500-3 600**FIXEDFIXED-SATELLITE (space-to-Earth)MOBILE except aeronautical mobile 5.433ARadiolocation 5.433 |
| **3 600-4 200**FIXEDFIXED-SATELLITE(space-to-Earth)Mobile | **3 600-3 700**FIXEDFIXED-SATELLITE (space-to-Earth)MOBILE except aeronautical mobileRadiolocation5.435 |
|  | **3 700-4 200**FIXEDFIXED-SATELLITE (space to-Earth)MOBILE except aeronautical mobile |

**Reasons:** To protect existing services.

NOTE – This proposal only applies to frequency range 3 800-4 200 MHz.

# 11) Band Number 14: 4 400-4 500 MHz

NOC AFCP/28A1/15

2 700-4 800 MHz

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| Allocation to services |
| Region 1 | Region 2 | Region 3 |
| 4 400-4 500FIXED MOBILE 5.440A |

**Reasons:** To protect existing services.

NOTE – This proposal only applies to frequency range 4 400-4 500 MHz.

# 12) Band Number 15: 4 500-4 800 MHz

NOC AFCP/28A1/16

2 700-4 800 MHz

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| Allocation to services |
| Region 1 | Region 2 | Region 3 |
| 4 500-4 800 FIXED FIXED-SATELLITE (space-to-Earth) 5.441 MOBILE 5.440A |

**Reasons:** To protect existing services.

NOTE – This proposal only applies to frequency range 4 500-4 800 MHz.

# 13) Band Number 17: 5 350-5 470 MHz

NOC AFCP/28A1/17

4 800-5 570 MHz

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| Allocation to services |
| Region 1 | Region 2 | Region 3 |
| 5 350-5 460 EARTH EXPLORATION-SATELLITE (active) 5.448B RADIOLOCATION 5.448D AERONAUTICAL RADIONAVIGATION 5.449 SPACE RESEARCH (active) 5.448C |
| 5 460-5 470 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION 5.448D RADIONAVIGATION 5.449 SPACE RESEARCH (active) 5.448B |

**Reasons:** To protect existing services.

NOTE – This proposal only applies to frequency range 5 350-5 470 MHz.

# 14) Band Number 18: 5 725-5 850 MHz

NOC AFCP/28A1/18

5 570-7 250 MHz

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| Allocation to services |
| Region 1 | Region 2 | Region 3 |
| 5 725-5 830FIXED-SATELLITE(Earth-to-space)RADIOLOCATIONAmateur | 5 725-5 830 RADIOLOCATION Amateur |
| 5.150 5.451 5.453 5.455 5.456 |  5.150 5.453 5.455 |
| 5 830-5 850FIXED-SATELLITE(Earth-to-space)RADIOLOCATIONAmateurAmateur-satellite (space-to-Earth) | 5 830-5 850 RADIOLOCATION Amateur Amateur-satellite (space-to-Earth) |
| 5.150 5.451 5.453 5.455 5.456 |  5.150 5.453 5.455 |

**Reasons:** To protect existing services.

NOTE – This proposal only applies to frequency range 5 725-5 850 MHz.

# 15) Band Number 19: 5 925-6 425 MHz

NOC AFCP/28A1/19

5 570-7 250 MHz

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| Allocation to services |
| Region 1 | Region 2 | Region 3 |
| 5 925-6 700 FIXED 5.457 FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B MOBILE 5.457C 5.149 5.440 5.458 |

**Reasons:** To protect existing services.

NOTE – This proposal only applies to frequency range 5 925-6 425 MHz.

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